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(54) **ASSIGNING FREQUENCY BANDS FROM A GROUP OF FREQUENCY BANDS TO A WIRELESS NETWORK SYSTEM**

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(57) **ABSTRACT**

A method for assigning frequency bands from a group of frequency bands, the method comprising determining a quality of service being required by the wireless network system, comparing the required quality of service with the predefined categories of the plurality of groups of frequency bands, selecting a group of frequency bands based on the comparison, and assigning at least one band from the selected group of frequency bands to the wireless network system, for communication between the at least one base station and the at least one user equipment.

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